Patent Claims:

1 – 12 (canceled)

13. (new) A layer system, comprising:

a substrate;

an intermediate layer having a composition MCrAlY where M is an element selected from the group consisting of iron, cobalt, and nickel; and

an outer layer having particles of a coarse grain size,

wherein the particles of the coarse grain size have grain diameters greater than 80 micrometers and the particles have a composition McrAlY and the particles are present on the intermediate layer and the outer layer has been applied to the particles.

14. (new) The layer system as claimed in claim 13, wherein a further layer is applied to the coarse particles prior to the application of the outer layer.

15. (new) The layer system as claimed in claim 14, wherein the further layer consists of particles of a medium grain size and in that the particles of a medium grain size have grain diameters of between 22 micrometers and 62 micrometers.

16. (new) The layer system as claimed in claim 13, wherein the intermediate layer at least partially comprises particles of a fine grain size and in that the particles of a fine grain size have grain diameters of less than 22 micrometers, in particular between 8 and 22 micrometers.

17. (new) The layer system as claimed in claim 13, wherein the intermediate layer is dense.

18. (new) The layer system as claimed in claim 13, wherein the substrate is a cobalt- or nickel-based superalloy.

19. (new) The layer system as claimed in claim 13,wherein the coarse particles have a composition MCrAlY, in which M stands for an element selected from the group consisting of iron, cobalt and nickel.

20. (new) The layer system as claimed in claim 13, wherein the outer layer is a ceramic layer.

21. (new) The layer system as claimed in claim 13, wherein the outer layer is a thermal barrier coating.

22. (new) The layer system as claimed in claim 13, wherein the intermediate layer is applied by plasma spraying.

23. (new) The layer system as claimed in claim 13, wherein the layer system is a gas turbine part.

24. (new) The layer system as claimed in claim 16, wherein the level of particles for the intermediate layer of a fine grain size is 50%.

25. (new) The layer system as claimed in claim 13, wherein the particles have a grain size diameter greater than 100 micrometers.

26. (new) The layer system as claimed in claim 16, wherein the particles of the fine grain size have grain diameters between 8 and 22 micrometers.

27. (new) A layer system for a gas turbine component, comprising:

a substrate;

an intermediate layer having a composition MCrAlY where M is an element selected from the group consisting of iron, cobalt, and nickel; and

an outer layer having particles of a coarse grain size,

an outer layer having particles of a coarse grain size,

wherein the particles of the coarse grain size have grain diameters greater than 80 micrometers and the particles have a composition McrAlY and the particles are present on the intermediate layer and the outer layer has been applied to the particles.

28. (new) The layer system as claimed in claim 27, wherein a further layer is applied to the coarse particles prior to the application of the outer layer.

29. (new) The layer system as claimed in claim 28, wherein the further layer consists of particles of a medium grain size and in that the particles of a medium grain size have grain diameters of between 22 micrometers and 62 micrometers.

30. (new) The layer system as claimed in claim 27, wherein the intermediate layer at least partially comprises particles of a fine grain size and in that the particles of a fine grain size have grain diameters of less than 22 micrometers, in particular between 8 and 22 micrometers.

31. (new) The layer system as claimed in claim 27, wherein the intermediate layer is dense.